



**BIR1** **BIR2** **RING**

**B** MELTKVAKNGAAATLVMLKNARDAKMRPFIGPLMLSSCESSITLPSSSADKTDNHDTFNPLPMDPMRREERLKTFDQWPVTFLLTPEQLA  
 RNFYYLGRGDDEVCCAFCKVEIMRWVEGDDPAADHRKWAPOCFVRKQMYANAGAEATVGRDECGASATQPPRMPGPHARYSTEAARL  
 ATKDWPRRMRQKPEELAEAGFFYTGGQDKTKCFYCDGGLKDWESDDVPWEQHARWFDRCAYVQLVGRDYIQKVKSEATAISASEEQ  
 AATNDSTKNVAQEGEKHLDDSKICKICYSEERNVCFVPCGHVVACAKCALSTDKCPMCRRTFTNAVLVPS\*

**C** BmlAP-BIR1 74EEERLKTFDQWP VTFLTPEQLARNGFFYLGRGDEVCCAFCKVEI MRWVEGDDPAADHRRWAPQCP FV  
 SflAP-BIR1 100EDERMKTPEKWP VSFLSGEQLARNGFFYLGRRDEARCAFC KVEI MRWVEGDDPAKDHQRWAPQCP FV  
 TnlAP-BIR1 100EDERIKTPEKWP VSFLSGEQLARNGFFYLGRGDEVRCACFC KVEI MRWVEGDDPAKDHQRWAPQCP FV  
 CplAP-BIR1 7EDVRLNTPEKWP VSFLSPETMAKNGFFYLGRSDEVRCACFC KVEI MRWKEGEDPAADHKRWAPQCP FV  
 OptAP-BIR1 18KAARLG\*YTNWP VQFLEPSRMAASGFFYLGRGDEVRCACFC KVEI TNWVRGDDPETDHRWAPQCP FV  
 DIAP1-BIR1 44EETR LKTFTDWP LDWL DKRQLAQTMFTHAGDKVKCFPC GVEI GCWEQEDQPVPEHQRWSPNCP LL

**D** BmlAP-BIR2 182EAAAR LATF KDWPR RMRQKPEELA EAGFFYTGGQDKTKCF YCDGGL KDW ESDDVPW EQH ARWFDRCAYV  
 SflAP-BIR2 210EAAAR LRSF KDWPR CMRQKPEELA EAGFFYTGGQDKTKCF YCDGGL KDW ENHDVPW EQH ARWFDRCAYV  
 TnlAP-BIR2 209EAAAR LRSF KDWPR CMRQKPEELA EAGFFYTGGQDKTKCF YCDGGL KDW ENDDVPW EQH ARWFDRCAYV  
 CplAP-BIR2 108EAAAR VKSFHNWPR CMKQRPQMA DAGFFYTGGQDKTKCF YCDGGL KDW EPEDVPW EQH ARWFDRCAYV  
 OptAP-BIR2 121EAAAR LRTFAEWPR GLKQRPQMA DAGFFYTGGQDKTKCF YCDGGL KDW EPDDAFW QOH ARWYDRCEYV  
 DIAP1-BIR2 226ETAR LRTFAEWPR NLKQPHQLA EAGFFYTGGQDKTKCF YCDGGL MDW NDND EPW EQH ALWLSQCRFV

**E** BmlAP-RING 298ICKIC YSEERNVCFVPCGHVVACAKCA LSTDKCP MCR  
 SflAP-RING 329LCKIC YAEERNVCFVPCGHVVACAKCA LAADKCP MCR  
 TnlAP-RING 331LCKIC FAERNVCFVPCGHVVACAKCA LAADKCP MCR  
 CplAP-RING 227LCKIC YVEECIVCFVPCGHVVACAKCA LSVDKCP MCR  
 OptAP-RING 220LCKIC LGAEKTVCFVPCGHVVACGKCA AGVTTCF VCR  
 DIAP1-RING 390LCKIC YGAEYNTAFVPCGHVVACAKCA SSVTKCP LCR

# Occlusion body formation



**A**

**BmIAP**

**+**

**B**

**BmIAP-BIR**

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**C**

**BmIAP-RING**

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**D**

**SfiAP**

**+**

**E**

**AcIAP**

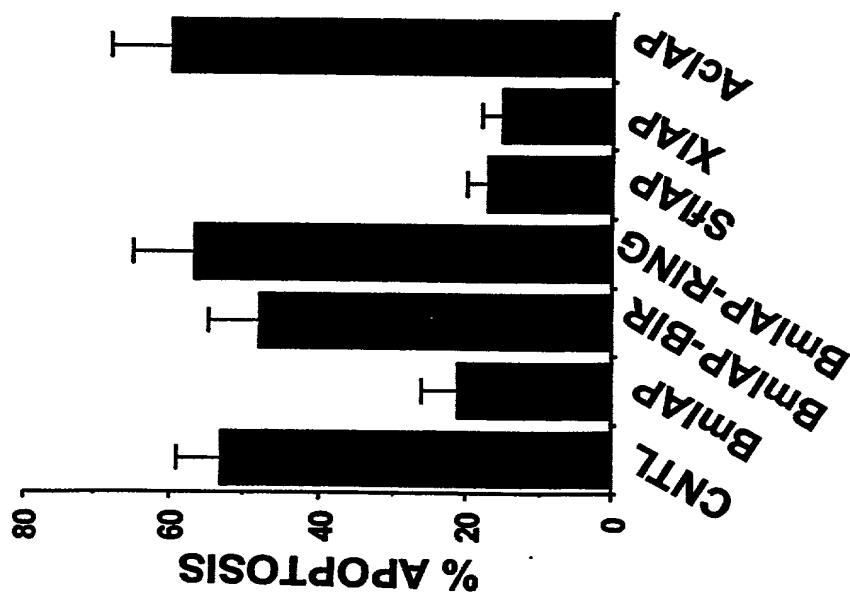
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**F**

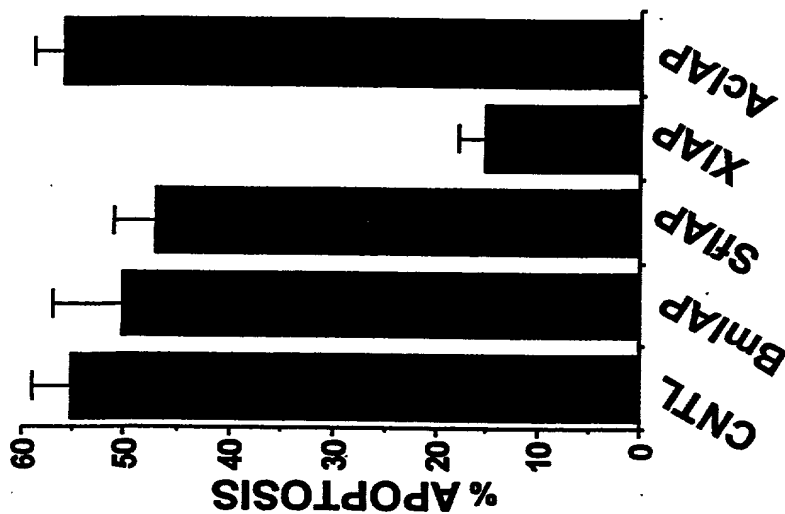
**mock  
transfection**

**N/A**

**A**



**B**



**C**

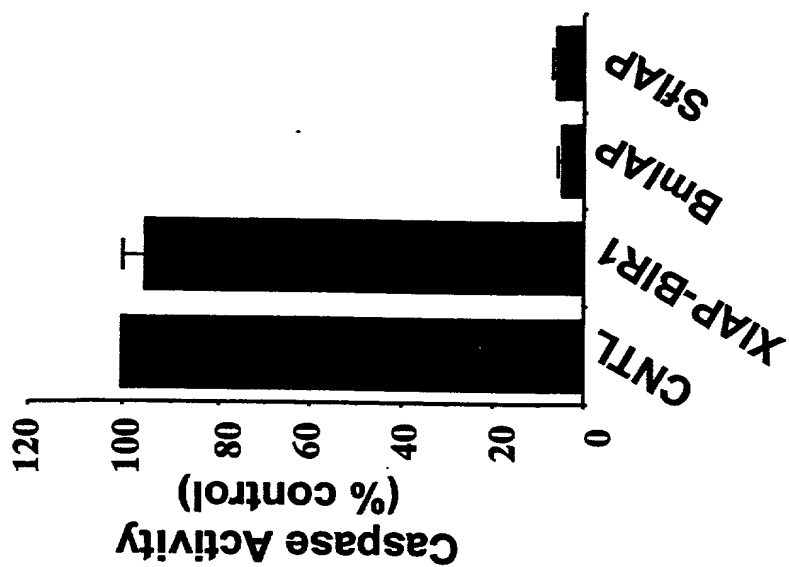


Figure 1. Effect of BmiAP on apoptosis and caspase activity.

